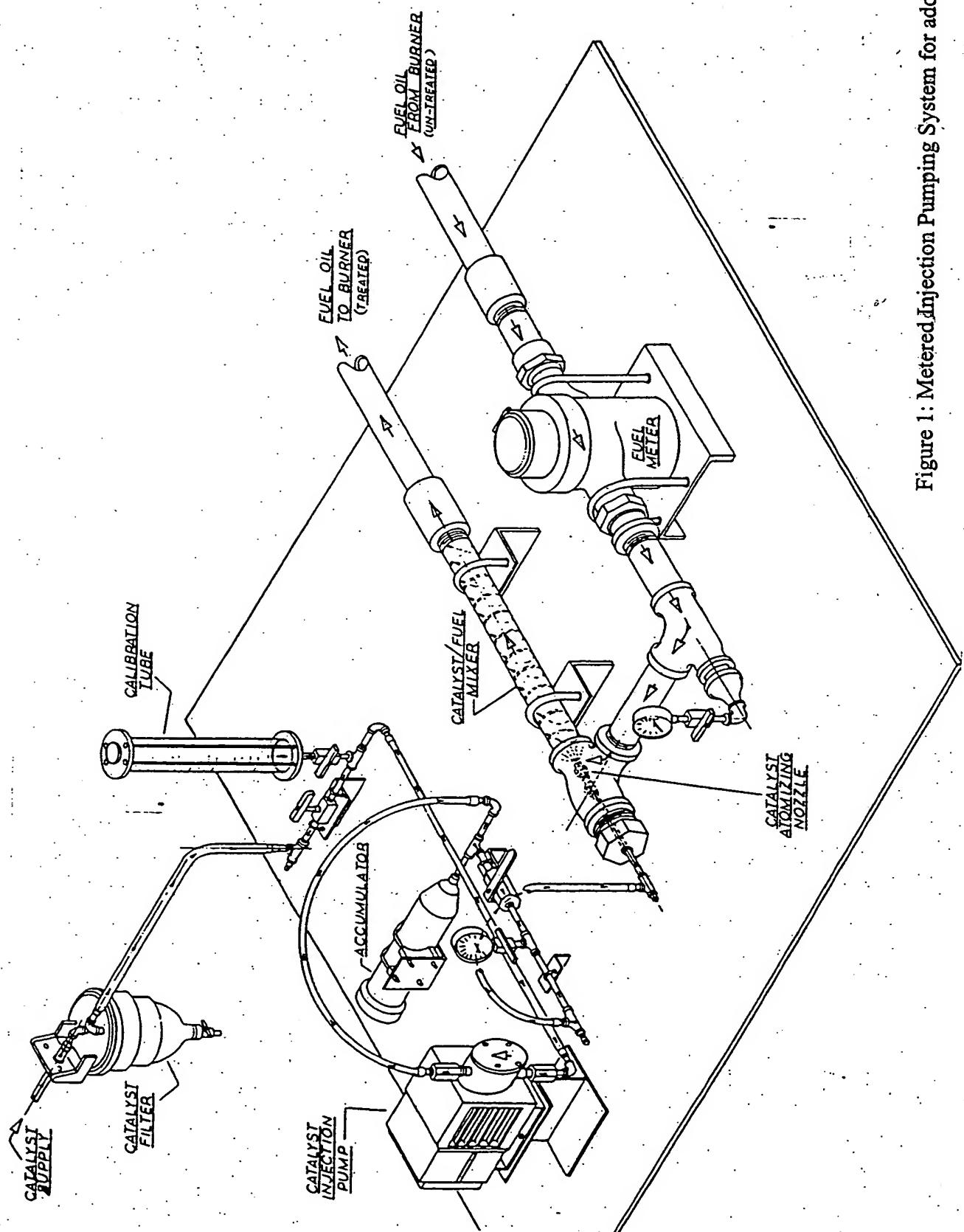




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Figure 1: Metered Injection Pumping System for additzing resid fuels



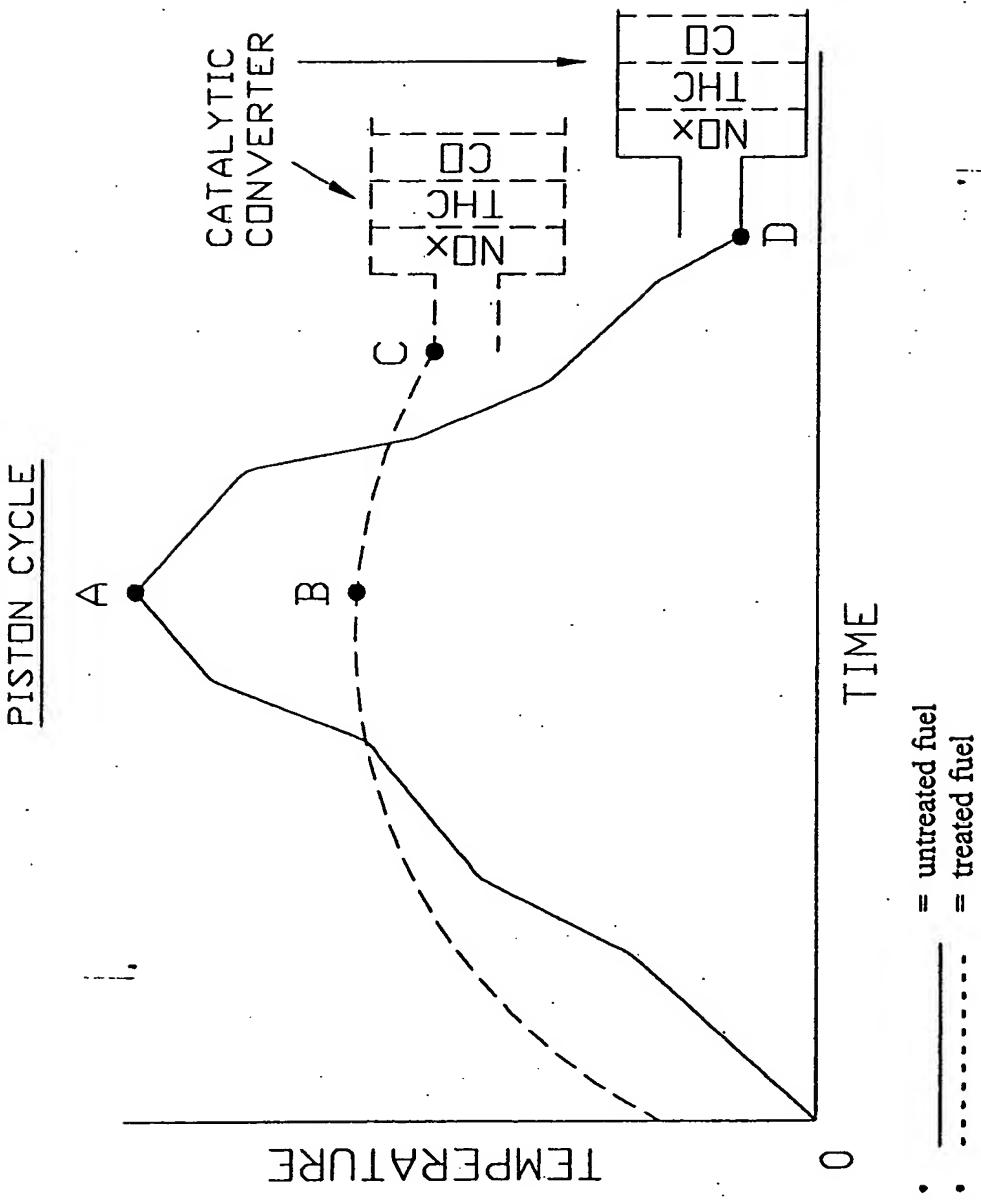


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

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CONTROLLER

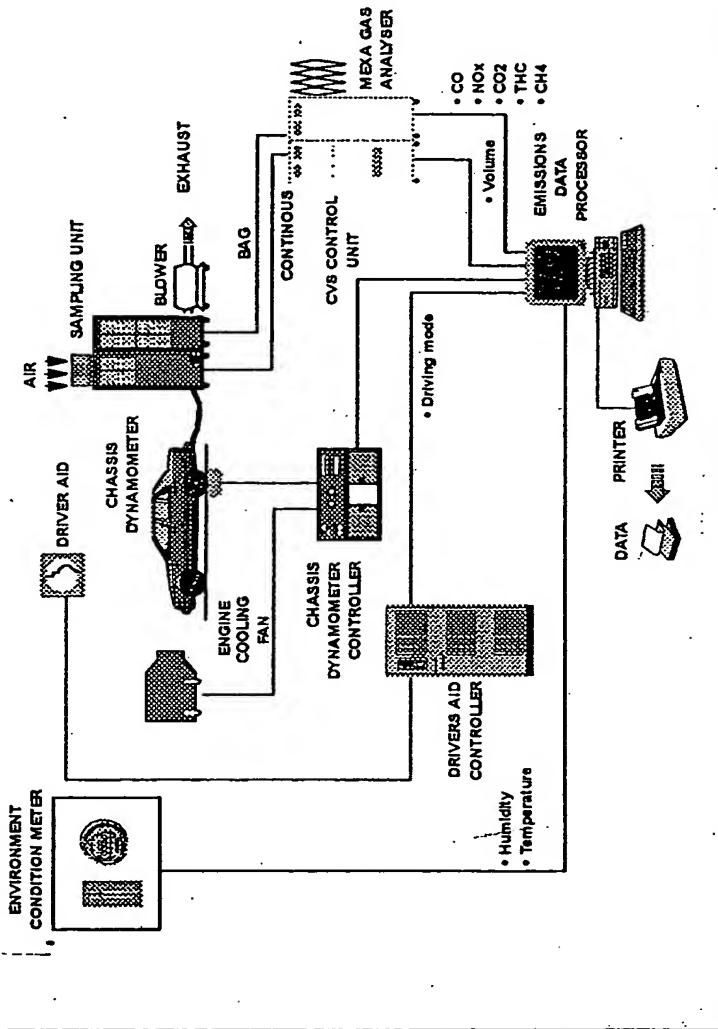


Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia

100
90
80
70
60
50
40
30
20
10

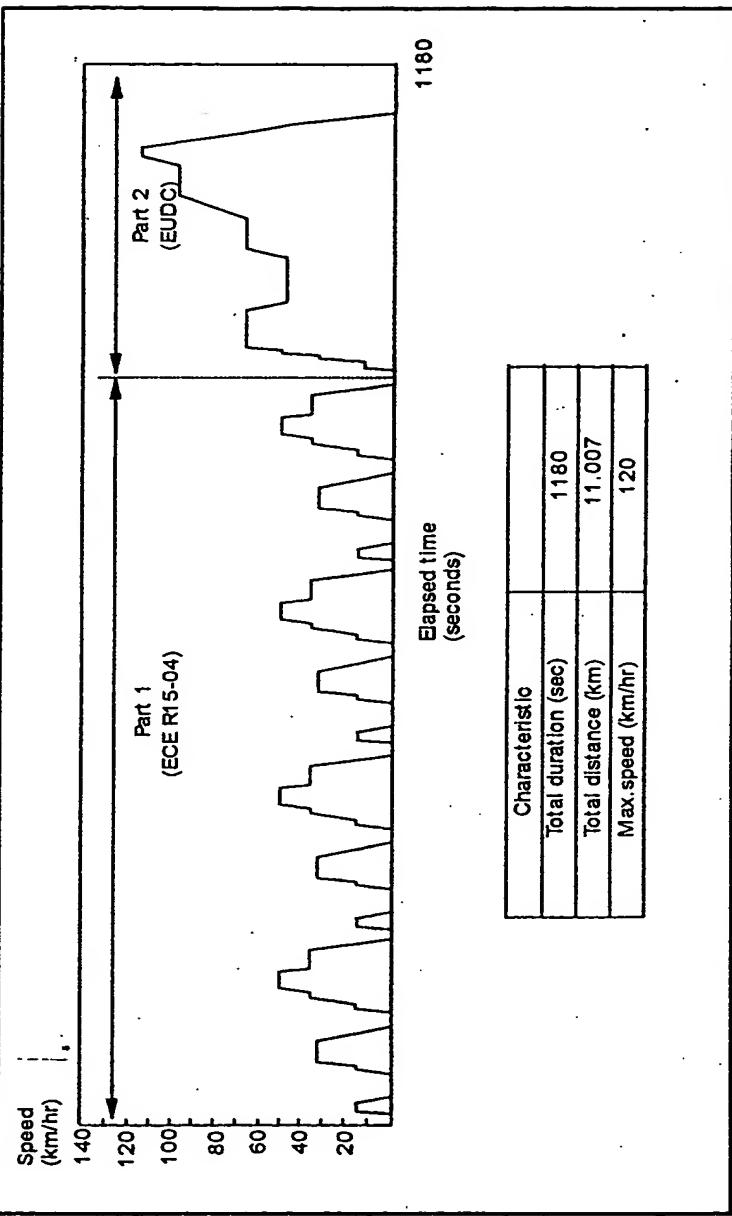


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle

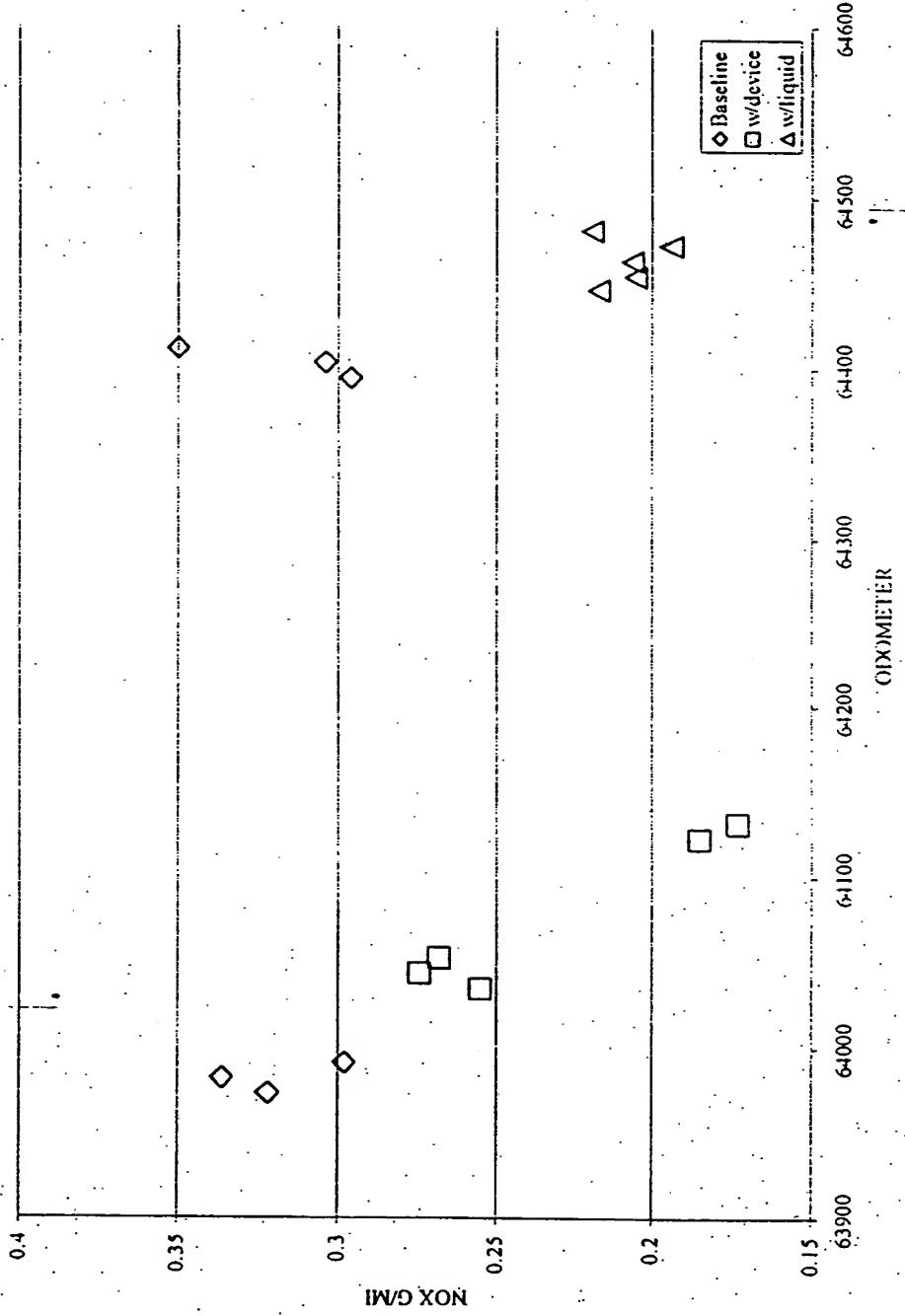


Figure 5: NO_x emissions as a function of odometer miles for a Ford Taurus

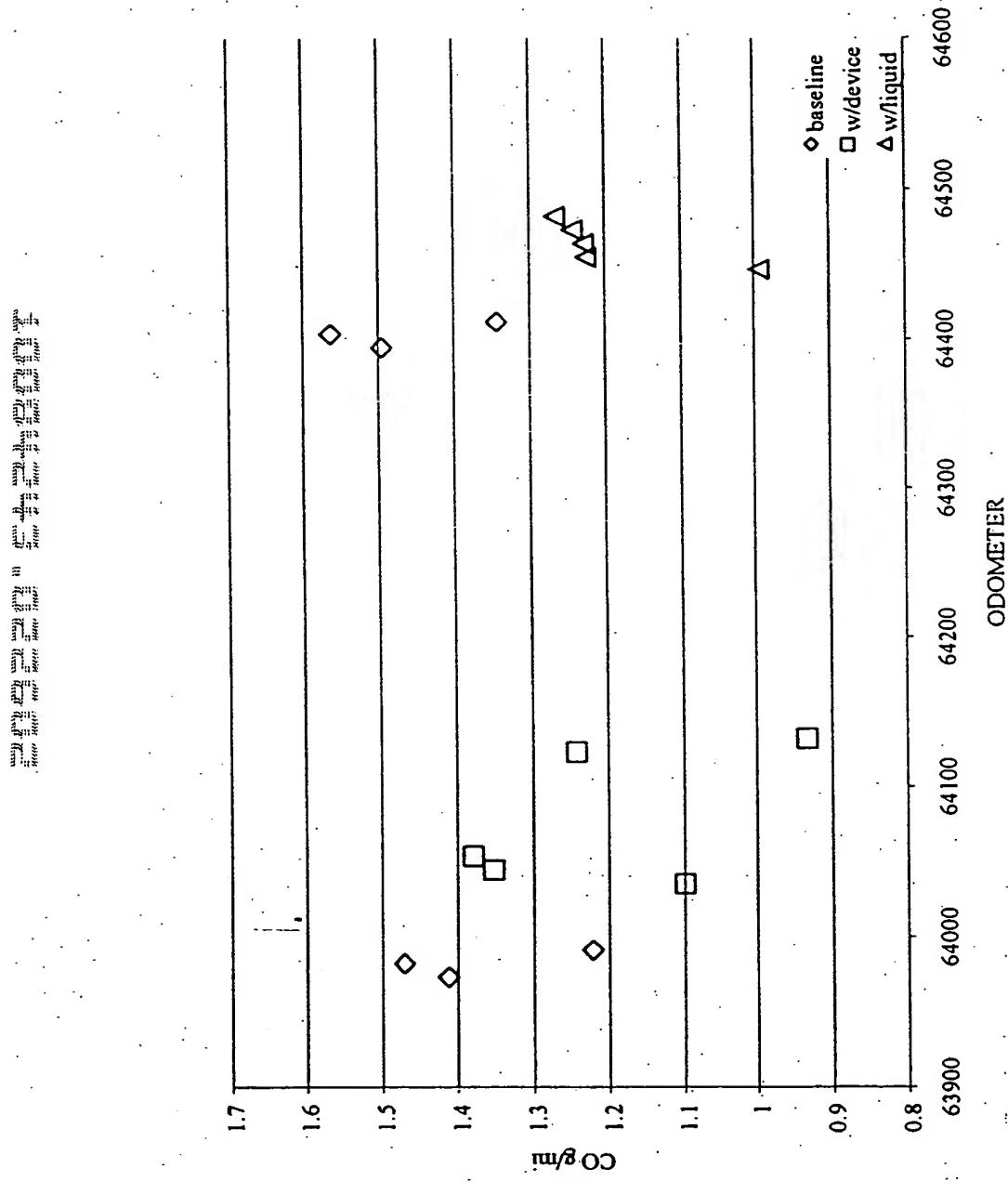


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus

baseline
w/device
w/liquid

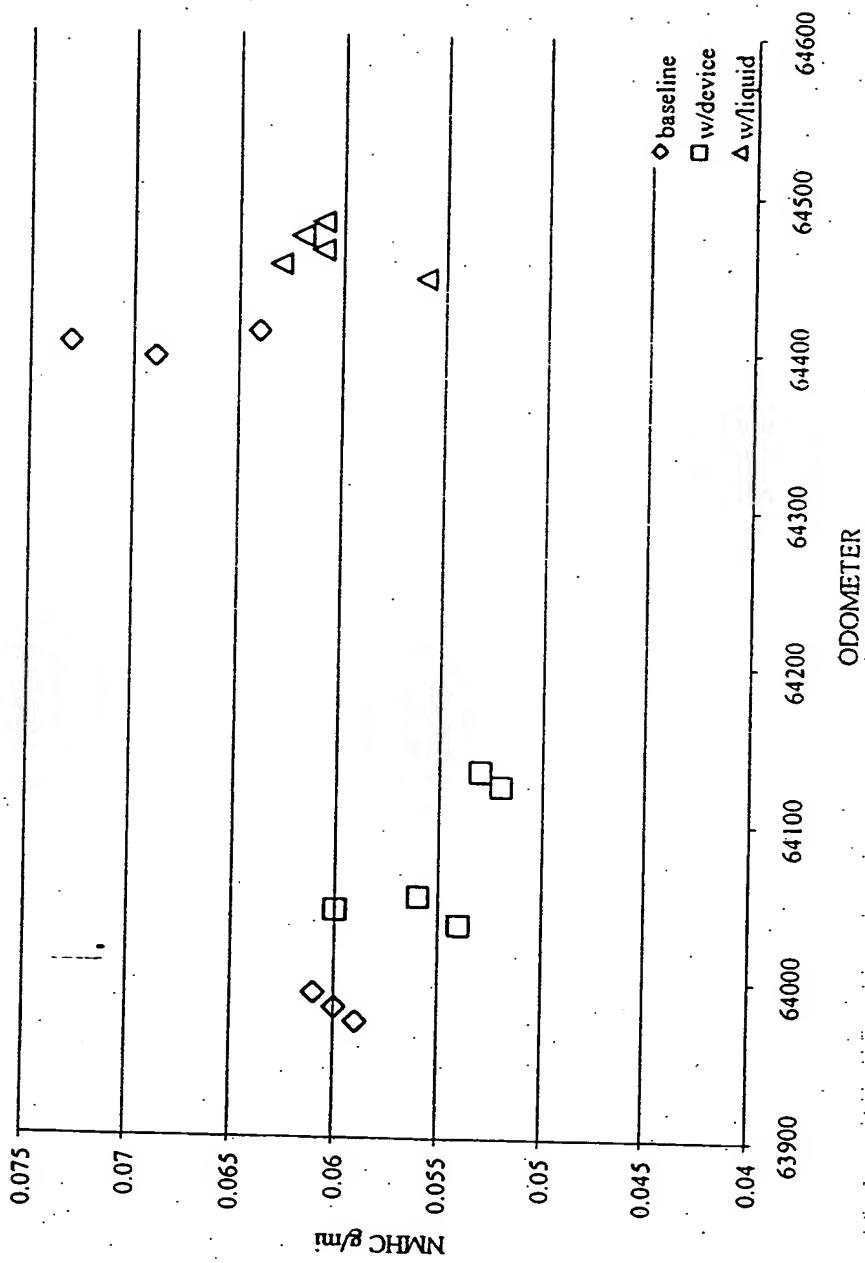


Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus

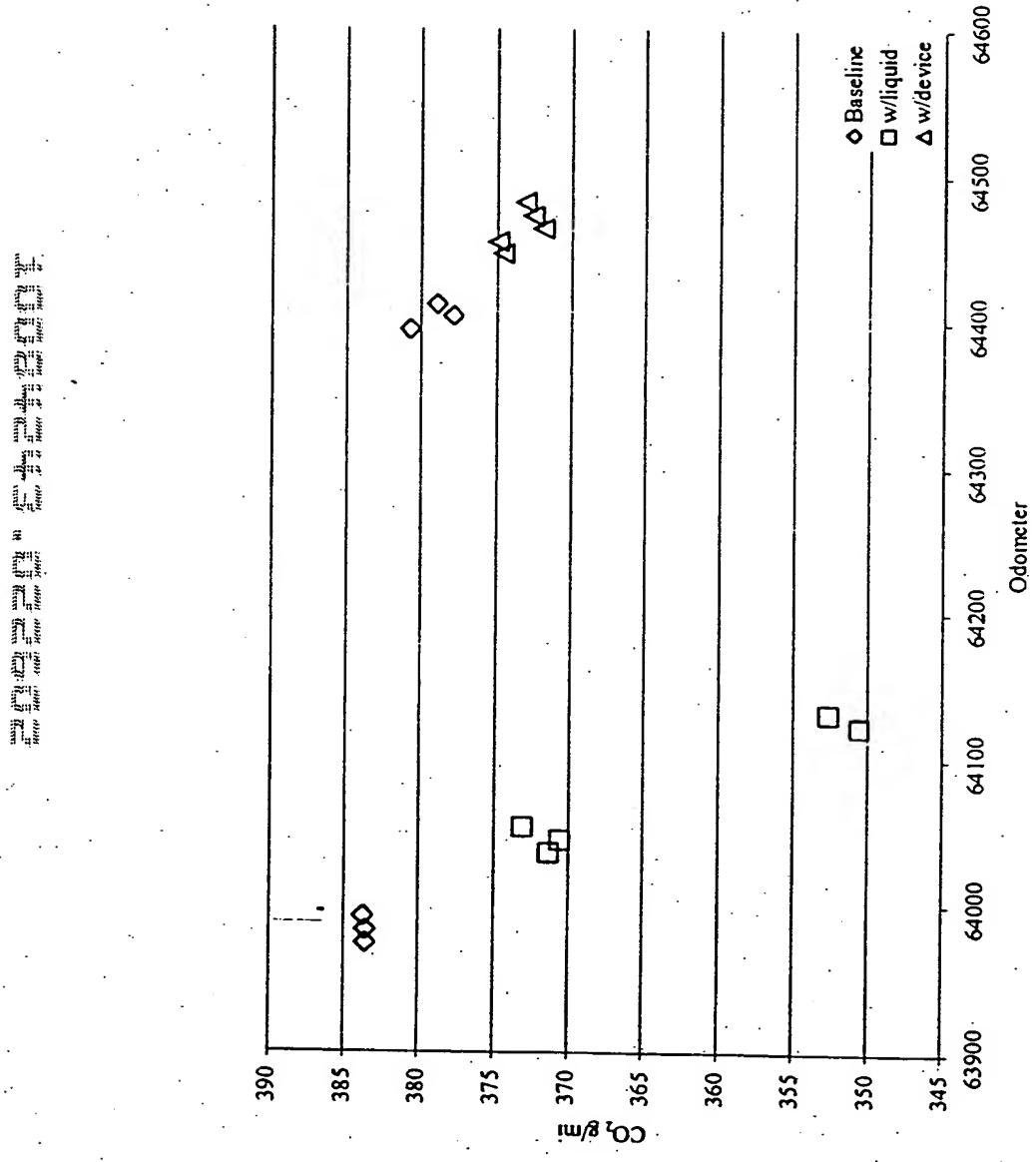


Figure 8: CO₂ emissions as a function of odometer miles for a Ford Taurus

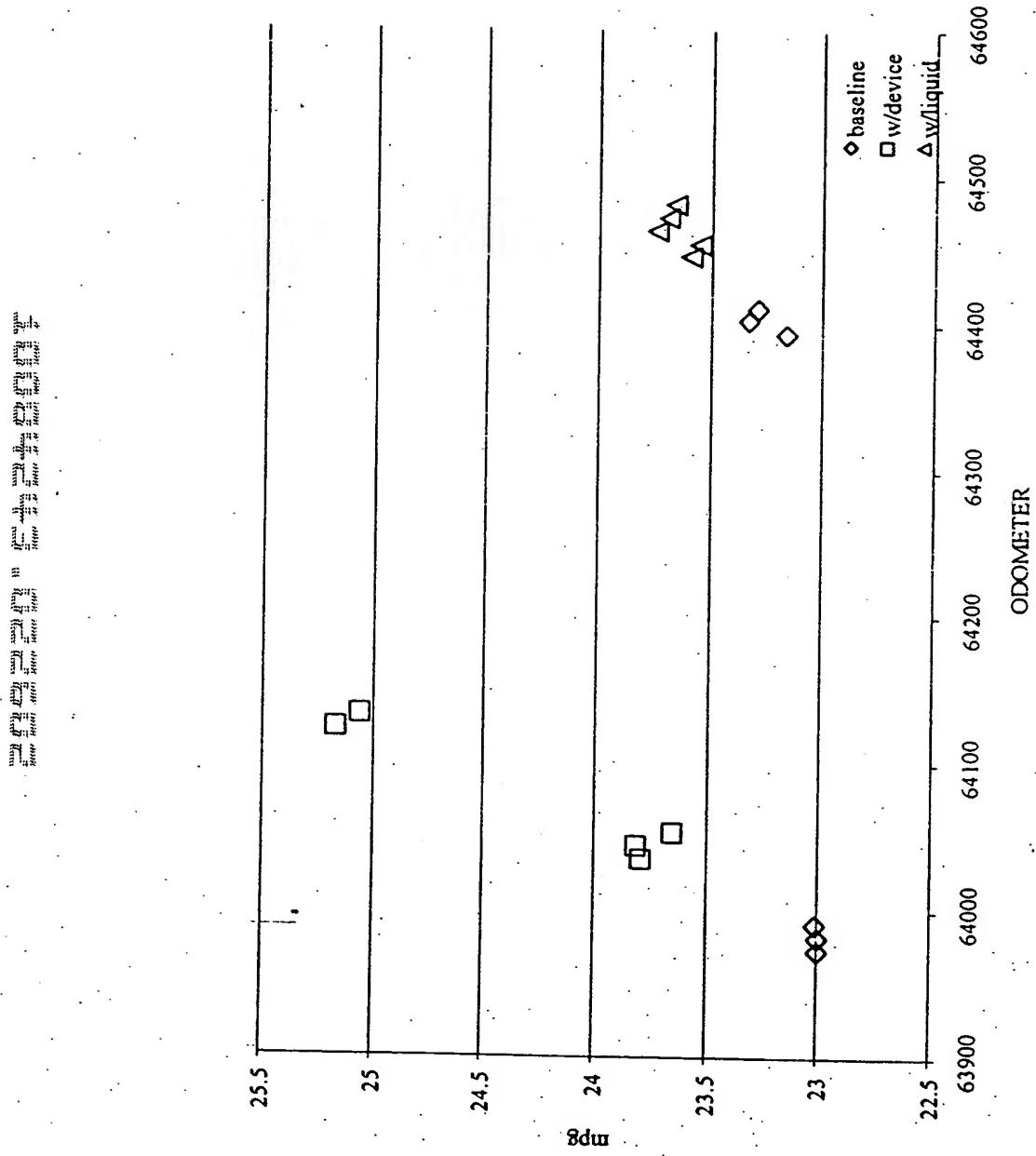


Figure 9: MPG fuel economy as a function of odometer miles for a Ford Taurus

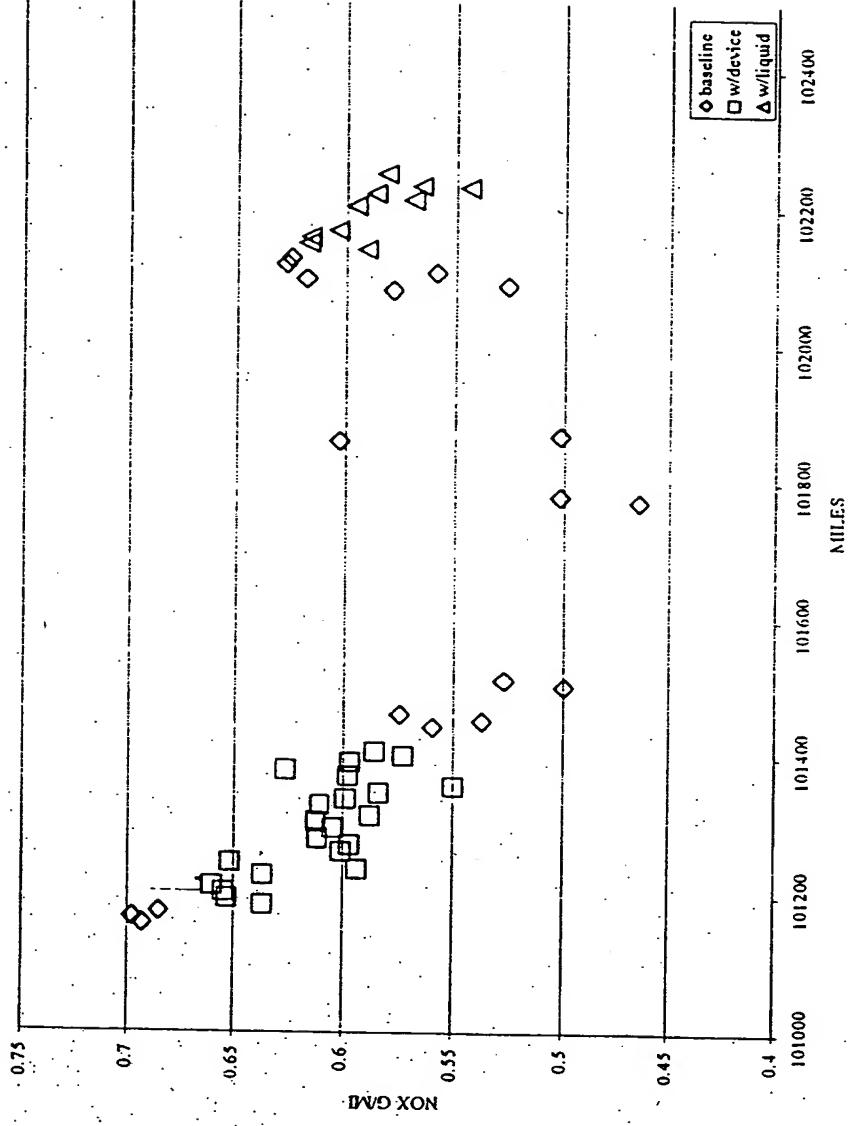


Figure 10: NO_x emissions as a function of odometer miles for a Honda Accord

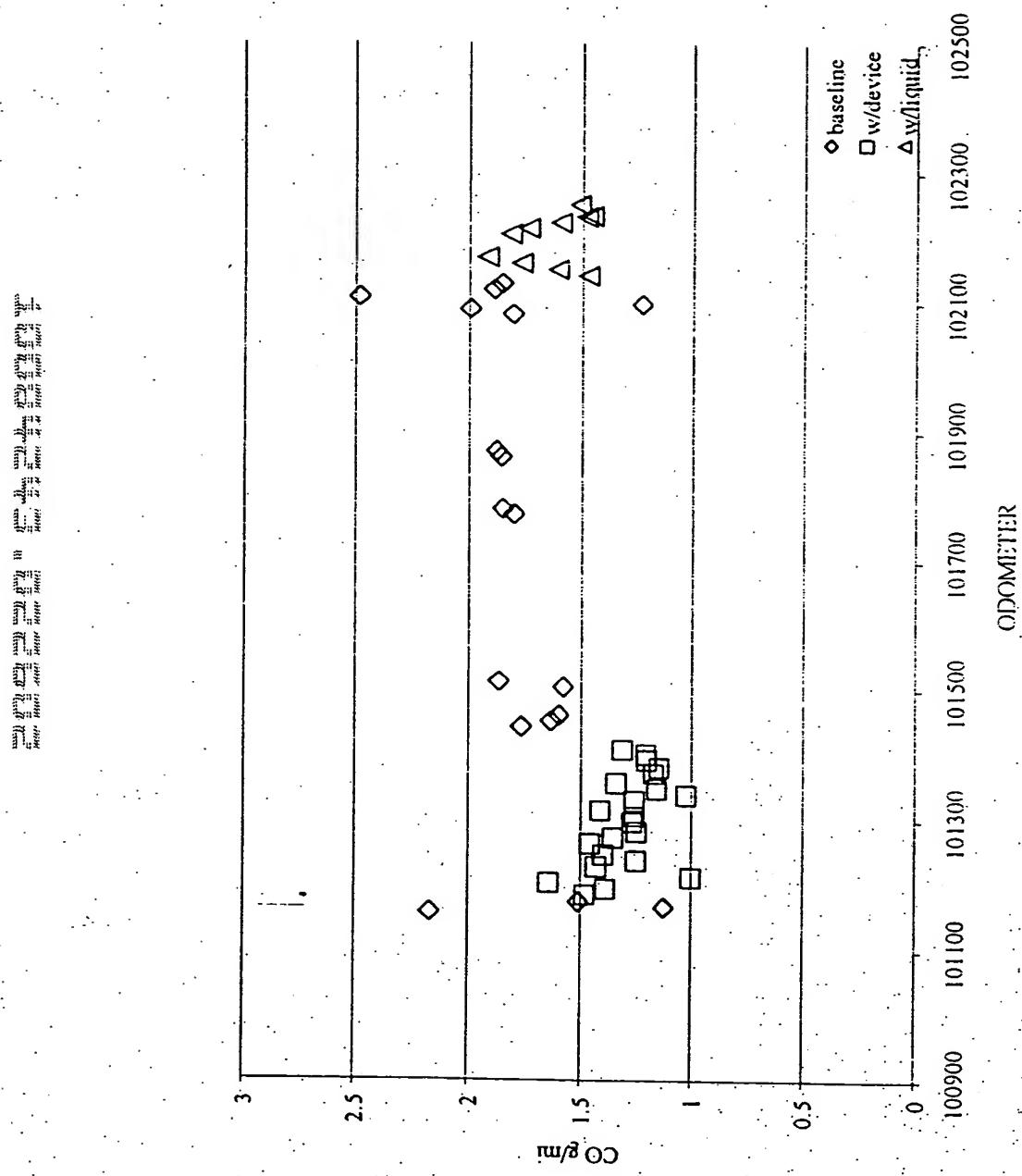


Figure 11: CO emissions as a function of odometer miles for a Honda Accord

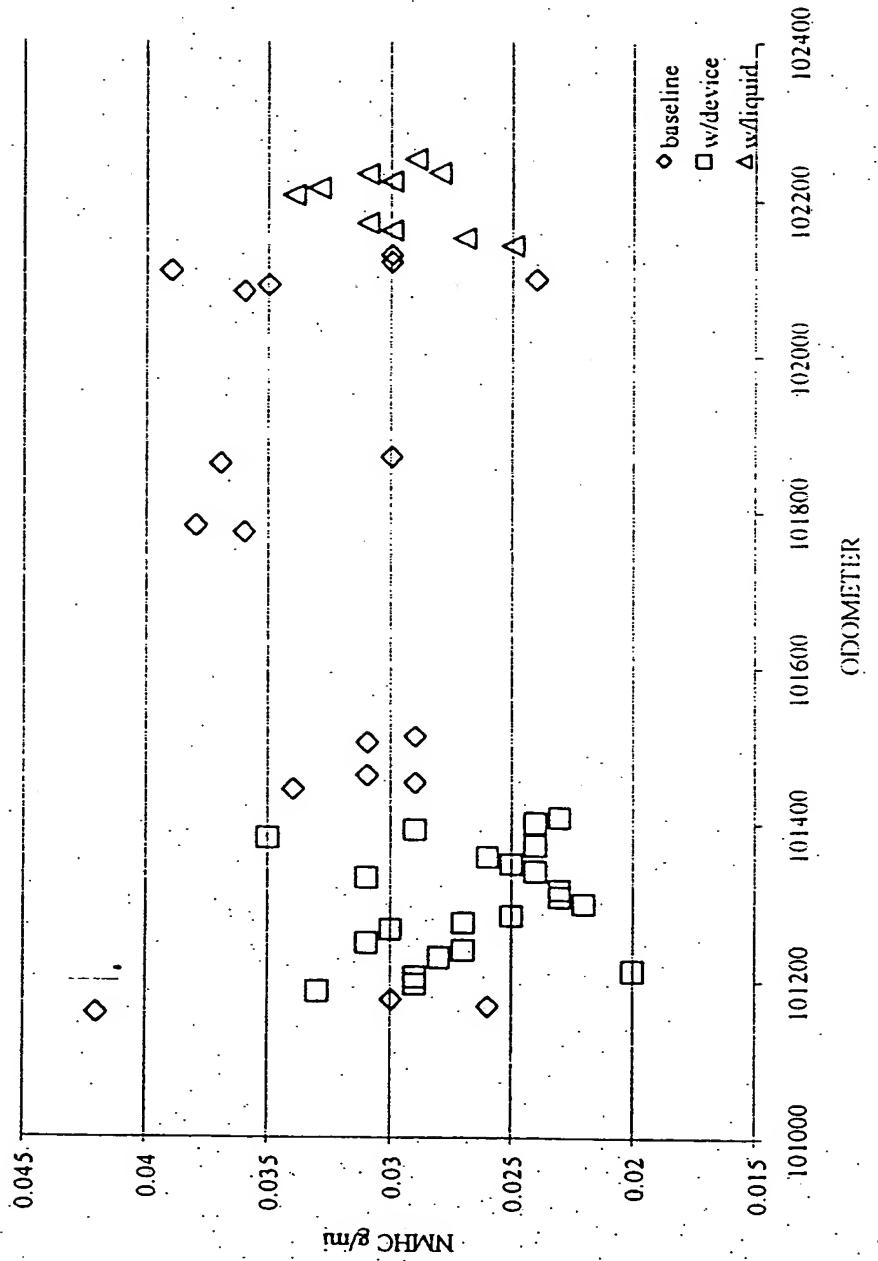


Figure 12: NMHC emissions as a function of odometer miles for a Honda Accord

CO₂ Emissions (g/mile) vs. Odometer Miles for a Honda Accord

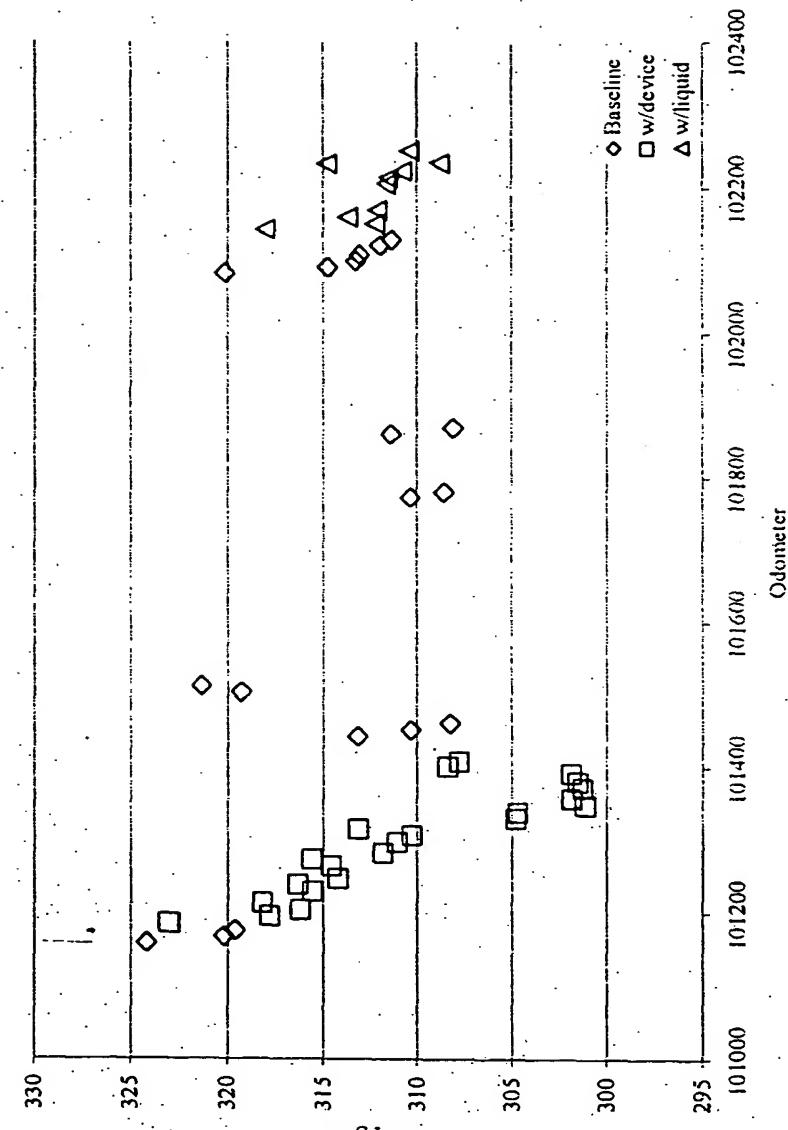


Figure 13: CO₂ emissions as a function of odometer miles for a Honda Accord

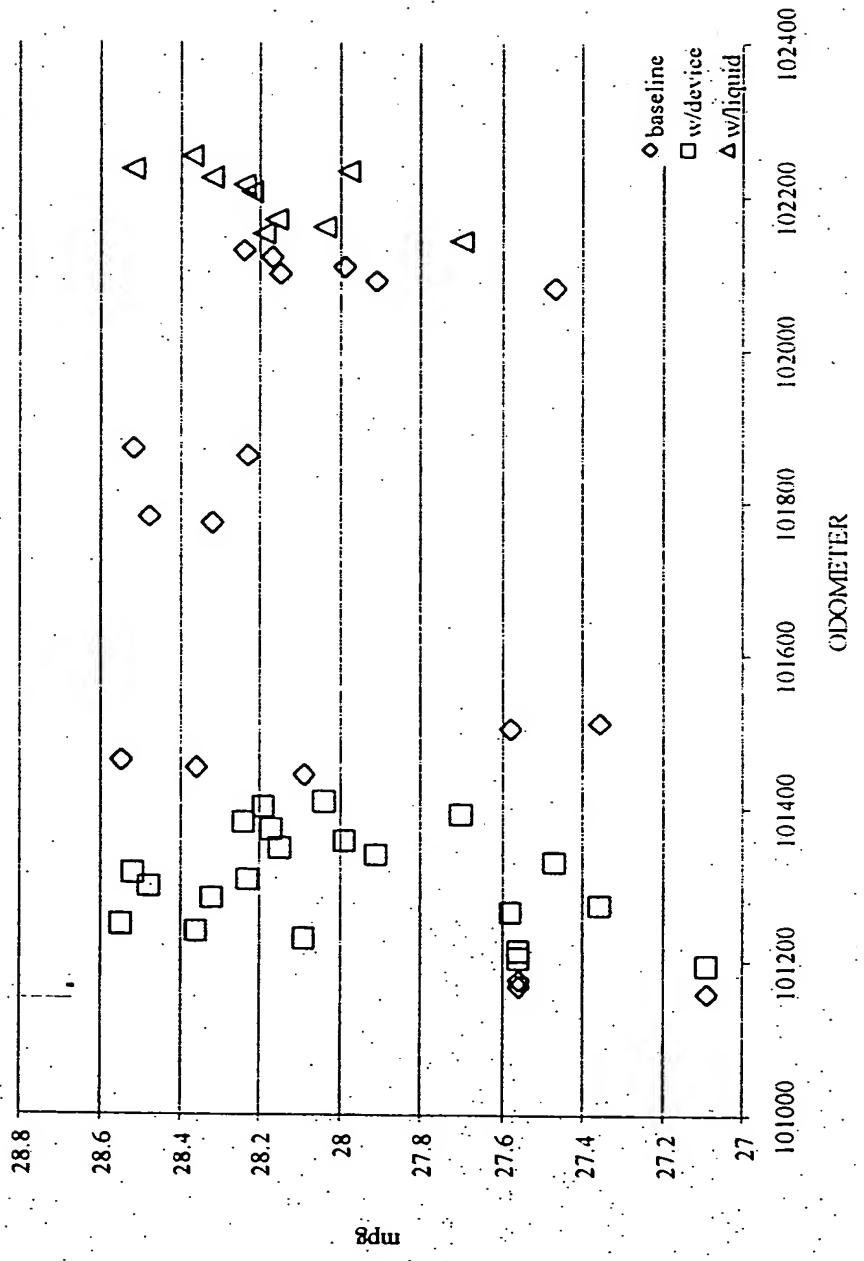


Figure 14: MPG fuel economy as a function of odometer miles for a Honda Accord

NO_x emission, g/m
SET

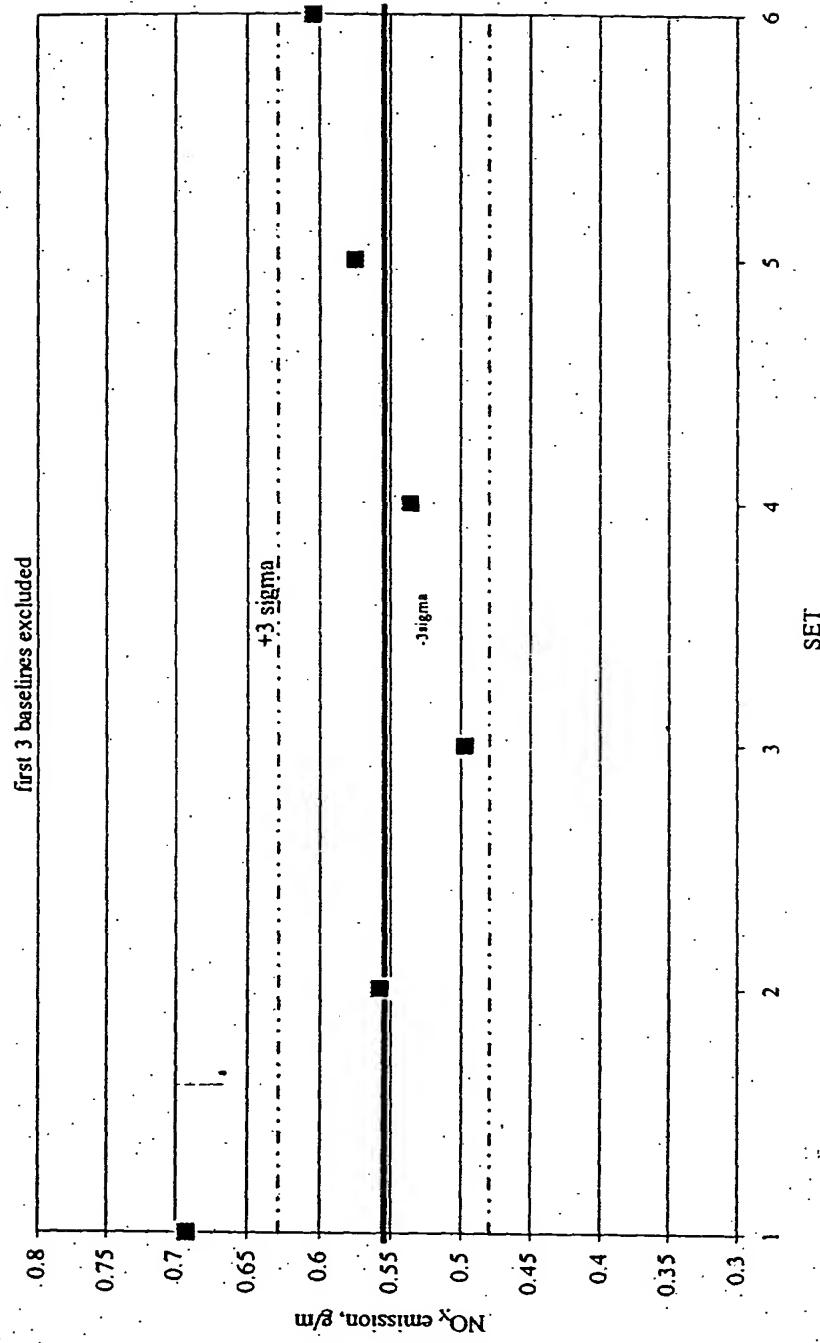


Figure 15: Shewhart Control Plot for NO_x in the Honda Accord with the first three baselines excluded

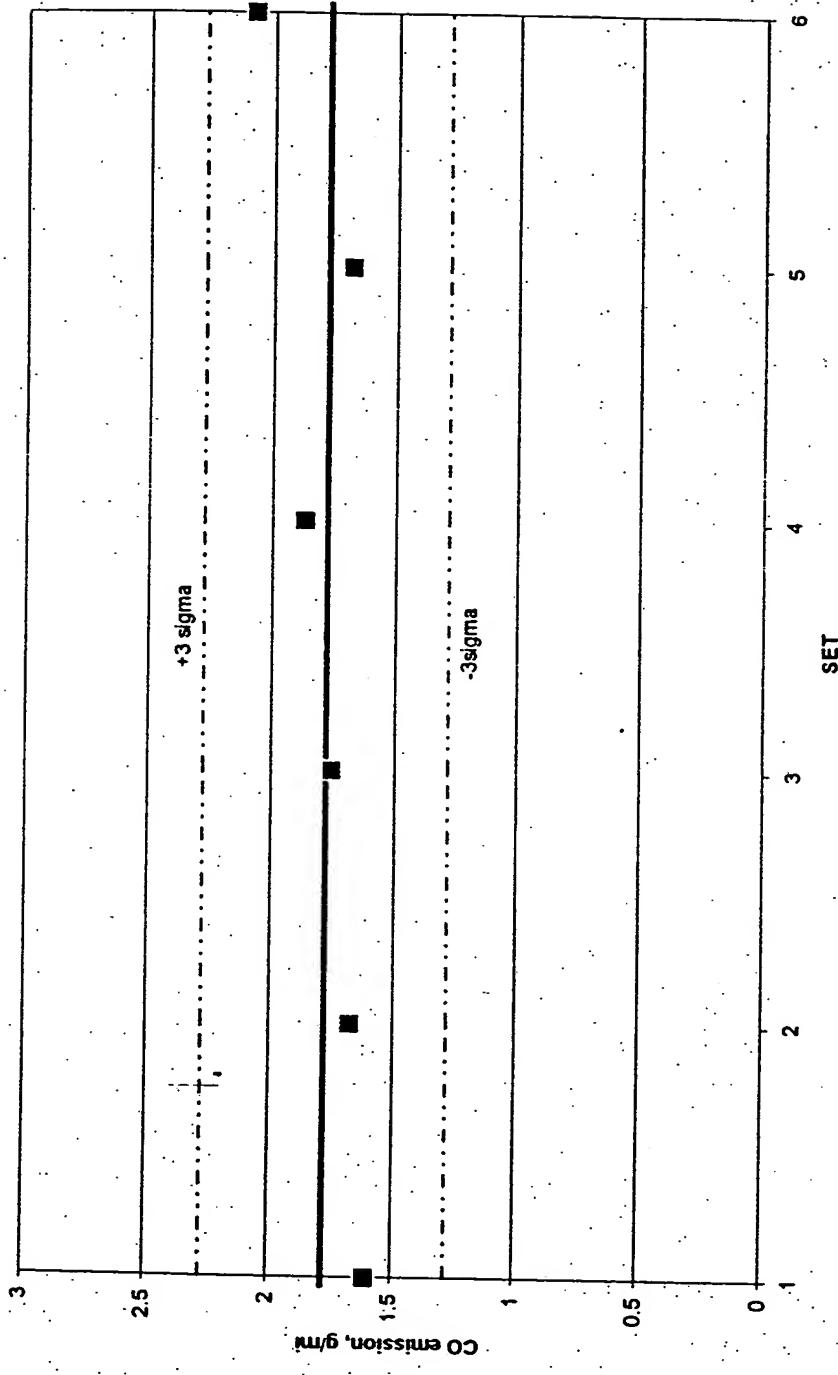


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded

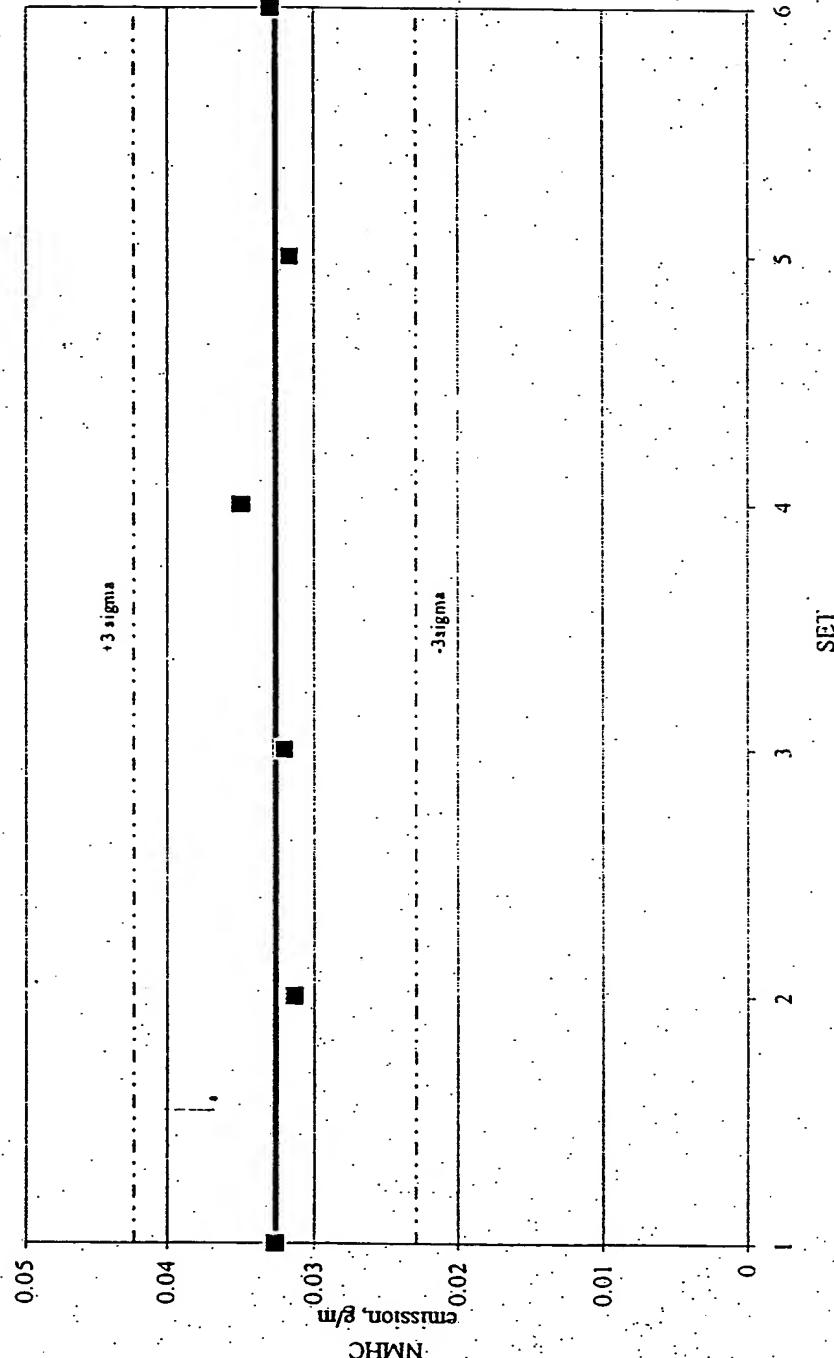


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded

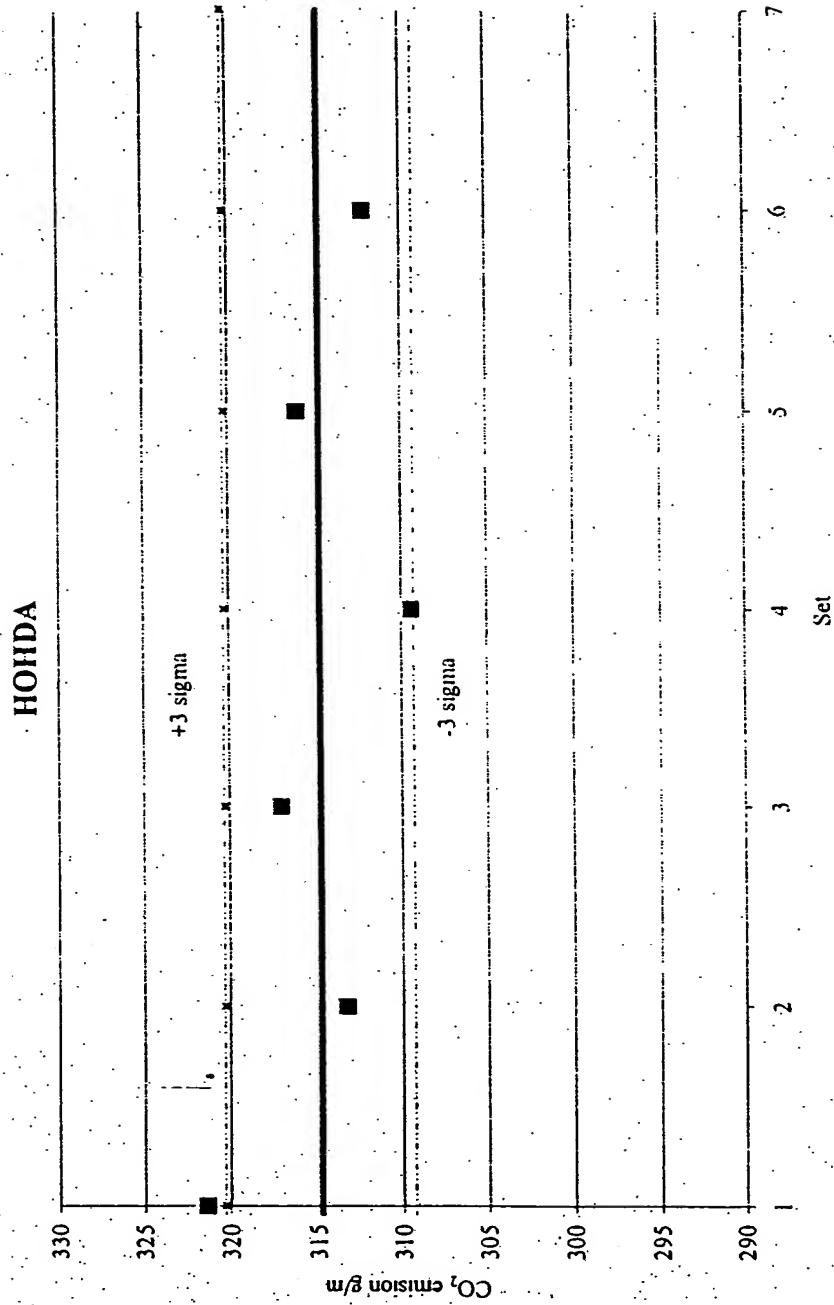


Figure 18: Shewhart Control Plot for CO₂ in the Honda Accord with the first three baselines excluded

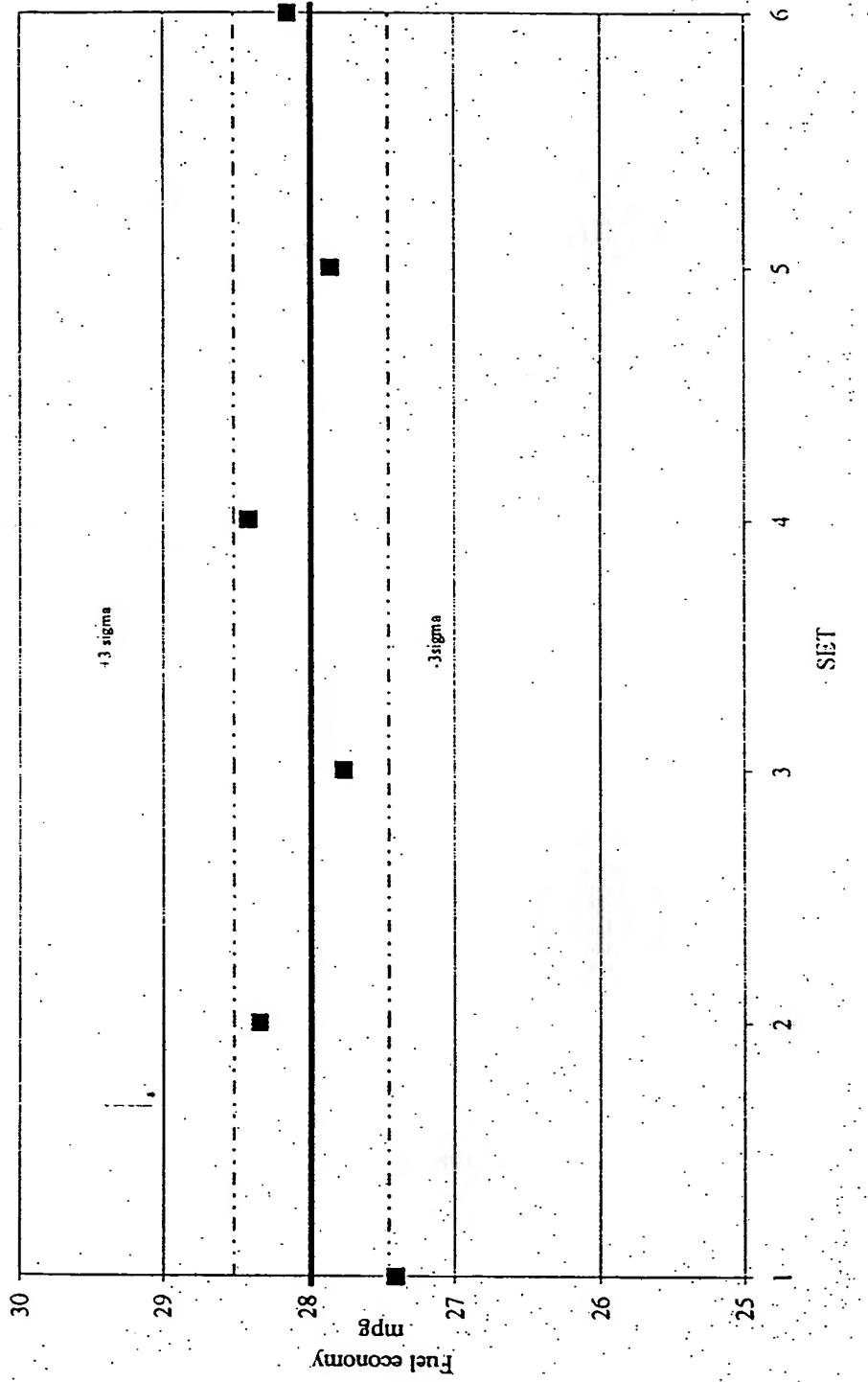


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded